



Conform to the norm - Certifications

The quality of our RSB® fastening systems is of course also confirmed in black and white! We hold the following certifications:



We are at your service!

You require further information on our products? You have any questions about the application or are interested in a special solution? Please do not hesitate to contact us!

Our RSB® team will be happy to advise you:

+49 7423 9298-0
rsb@fkb-gmbh.com



Information and CAD data concerning our standard product range according to DIN 3015 can also be found here:
www.traceparts.com

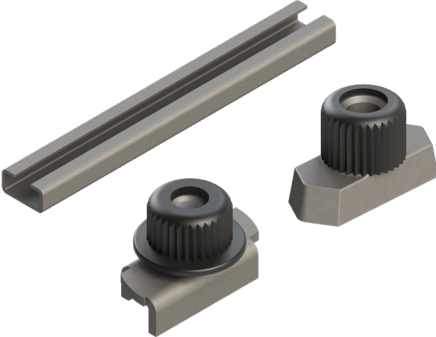
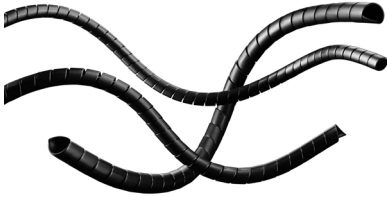


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Our Fastening Systems for ,Train Manufacturing‘

Whether it's in the suburban train, the freight wagon, the high-speed train or the slow train: fire protection is always and everywhere a ,red-hot‘ issue. In this area of application, it is essential to use suitable products made of appropriate materials in order to guarantee passenger and rail vehicle safety. The flame resistant products of our well-known line of RSB® tube clamps are the ideal solution for the transport and railway market, ensuring improved safety and efficiency of rail vehicles.

MULTICLAMPS EN 45545-2:2020 	MOUNTING RAILS & TM-A 	TUBE CLAMPS EN 45545-2:2020 
1. RSB®-Multiclamp With only 3 clamp sizes cover tube diameters from 6-25.4 mm.	2. Mounting rails & mounting rail nuts Stainless steel mounting rails in different heights acc. to DIN 3015. Installation with mounting rail nuts. Optimized installation solution by FKB: VISITEC rail nut with loss protection.	3. Flame retardant tube clamps The well-known line of RSB® tube clamps, available as a flame retardant version, is the ideal solution for the transport and railway market.
COMBINATION 	PROTECTION WRAP EN45545-2:2020 	TUBE CLAMPS WITH ELASTOMER INSERTS EN 45545-2:2020 
4. RSB®-,2+5-System‘ Two clamp sizes cover pipe diameters from 6-42 mm. Only one multiple weld plate with uniform bolt spacing for all tube clamps of the sizes 2+5.	5. Flame retardant protection wrap The flame retardant hose sleeve is THE solution for the protection of cables, hose lines or hydraulic lines from abrasion or other damages both indoor and outdoor.	6. Tube clamps with inserts Tube clamps with noise protection insert. Optimal combination of vibration isolation and structure-borne sound decoupling.

Technical data

Special materials for clamp bodies / preventive fire protection

MATERIAL EN 45545-2	POLYPROPYLENE (PP-F)	POLYAMIDE (PA66-F)	SOLID RUBBER (TPE-F) 80° Sh
T01 EN ISO 4589-2: Oxygen concentration	OI = 32 %	OI = 32 %	OI = 28 %
T10.03 EN ISO 5659-2: Optical density of smoke gas 25 kW/m³	D _s max. = 46,5	D _s max. = 71	D _s max. = 171,4
EN 17084 Method 1: Toxicity test of materials and components	CIT _G = 0,25	CIT _G = 0,65	CIT _G = 0,23
Compliance with requirement sets R22, R23, R24 for the hazard level	HL1 - HL2 - HL3	HL1 - HL2 - HL3	HL1-HL2

Flame retardant tube clamps in compliance with DIN 3015 and tested according to **EN 45545-2:2020** and to **UL94**. Our hose sleeve satisfies the requirement sets **R22/R23** for the hasard level **HL2/HL3** in accordance with **EN 45545-2:2020** and complies with the requirements of the **UL94 V-0** plastics flammability standard.

Our ,Railway‘ - Highlight - Safety on the rails

PIPE CLAMP WITH FIRE PROTECTION AND VIBRATION DAMPING IN
ACCORDANCE WITH EN 45545-2



-  **VIBRATION DAMPING**
Reduces vibrations and noise
-  **FIRE PROTECTION**
Meets the highest fire safety requirements
-  **CORROSION RESISTANT**
For use in extreme conditions
-  **EASY TO INSTALL**
Time-efficient and low-maintenance